



June 24, 2013

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
7012 2210 0001 2307 4264**

Illinois Environmental Protection Agency  
Water Pollution Control  
Compliance Assurance Section #19  
Annual Inspection Report  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276

**Re: 2013 Annual Storm Water Inspection Report  
Flint Hills Resources Chemical Intermediates, LLC  
NPDES Permit ILR000057**

Dear Madam or Sir:

Enclosed is the 2013 Annual Storm Water Inspection Report for the Flint Hills Resources Chemical Intermediates, LLC ("FHR") facility located in Peru, IL (the "Facility"). This is being submitted pursuant to Permit Condition 9 of Section E, and Condition 1 of Section G, of the Facility's General NPDES Permit ("Permit") issued to Flint Hills Resources, LP on April 3, 2009 by the Illinois EPA, Division of Water Pollution Control.

As part of corporate restructuring, on November 1, 2010, Flint Hills Resources, LP transferred ownership of certain assets to Flint Hills Resources Chemical Intermediates, LLC, including the Facility, located at 501 Brunner Street, Peru, Illinois 61354. Pursuant to the terms of the Permit, a letter dated August 3, 2010 was sent to Illinois EPA, Division of Water Pollution Control, requesting that General NPDES Permit No. ILR000057 be transferred to Flint Hills Resources Chemical Intermediates, LLC to reflect the change in ownership of the Facility. FHR has not yet received an updated version of the Permit.

As required by the Permit, a copy of the Facility's updated Storm Water Pollution Prevention Plan (SWPPP) was electronically submitted to [epa.indilr00swppp@illinois.gov](mailto:epa.indilr00swppp@illinois.gov) on June 27, 2012. Please note that no significant changes were made to the Facility's SWPPP since the last submittal. The current SWPPP has been revised to reflect the changes to the members of the Facility management team listed within Section 7.1 of the SWPPP. This change in management will not alter the existing best management practices identified in the SWPPP. The current Facility name as it appears within the SWPPP will be updated upon receipt of updated NPDES Permit from the Agency.

Additionally, as required by the Permit, the 2013 Annual Inspection Report was electronically submitted to [epa.indannualinsp@illinois.gov](mailto:epa.indannualinsp@illinois.gov) on June 24, 2013.

Should you have any questions or need additional information regarding this submittal, please contact Michael Schmidt at (815) 224-5451.

Sincerely,



Brian Marcinkus  
Plant Manager

Enclosures:

- Attachment 1 – IEPA Annual Facility Inspection Report
- Attachment 2 – Annual Storm Water Inspection Checklist
- Attachment 3 – Quarterly Storm Water Inspection Reports ( 3<sup>rd</sup> Qtr 2012 – 2<sup>nd</sup> Qtr 2013 )
- Attachment 4 – Summary of Storm Water Related Spill Events During the Reporting Period

cc: EHS Files

**ATTACHMENT 1**

Flint Hills Resources Chemical Intermediates, LLC  
501 Brunner Street  
Peru, Illinois  
Facility NPDES Permit ID: ILR000057

**Illinois EPA Annual Facility Inspection Report**





# Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges Associated with Industrial Site Activities

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report. Place a NA in sections that do not apply to your operation.*

Report Period: From: May 1, 2012 To: April 30, 2013

Permit No. ILR00 0057

#### OWNER/OPERATOR INFORMATION: (As it appears on the current permit)

Name: Flint Hills Resources, LP  
Mailing Address: 501 Brunner Street  
City: Peru State: IL Zip: 61354 Telephone: 815.224.1525  
Contact Person: Michael Schmidt (Person responsible for Annual Report)

#### FACILITY/SITE INFORMATION: (As it appears on the current permit)

Facility Name: Flint Hills Resources, LP Primary SIC Code: 2821  
Facility Location: 501 Brunner Street  
City: Peru IL Zip: 61354 County: LaSalle

#### RECEIVING WATER INFORMATION:

☐ Storm Sewer Owner of Storm Sewer Systems: \_\_\_\_\_  
☒ Waters of the State Closest Receiving Waters: Illinois River

#### ADDITIONAL INFORMATION:

Has this facility received an NPDES Permit under a different owner/operator name in the past? If so, list last name permit was issued to: Huntsman Expandable Polymers; (Please see cover letter for additional owner/operator information.)

Attach information on any activity that has occurred at this facility during the report period that may have resulted in pollutants discharged to storm water runoff (e.g. Spills).

Attach information on any changes to the facility or the activity occurring at the facility that resulted in significant changes to the SWPPP.

Attach information concerning quarterly visual observations of discharges as found in Section E, Item 8 of the Permit.

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Brian Marcinkus  
Owner Signature:  
Brian Marcinkus  
Printed Name:

06/24/2013  
Date:  
Plant Manager  
Title:

EMAIL COMPLETED FORM TO: [epa.indannualinsp@illinois.gov](mailto:epa.indannualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

## **ATTACHMENT 2**

Flint Hills Resources Chemical Intermediates, LLC  
501 Brunner Street  
Peru, Illinois  
Facility NPDES Permit ID: ILR000057

# **Annual Storm Water Inspection Checklist**

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**ANNUAL STORM WATER MANAGEMENT INSPECTION CHECKLIST**

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Date 06/20/2013 Weather Conditions Sunny / Warm / High HumidityInspector Name/Title: Michael Schmidt, Environmental Engineer**Y/N DESCRIPTION: COMMENTS REQUIRED IF ANSWERED YES**

- N Trash, litter, debris in the vicinity of stormwater collection system components
- N Significant outdoor accumulations of beads on site (some accumulation of beads was observed in the alley way north of B4, the NW corner of B4 and South of Packout. None significant.)
- N Spillage at compactors (None observed during this inspection)
- N Improper outdoor storage of materials, equipment, and chemicals  
(None observed during this inspection)
- N Storage boxes and bags -- torn, damaged, exposed to run-off, spillage  
(None observed during this inspection)
- N Tanks -- corrosion, damage, inadequate support, containment issues, leakage, etc.  
(None observed during this inspection)
- N Drums -- corrosion, damage, uncovered, containment issues, spillage, etc.  
(None observed during this inspection)
- N Secondary containment structures -- structural integrity, presence of oil or residue filled with water, valves open?  
(None observed during this inspection. Secondary containment appeared to be structurally sound)
- N Piping and valves -- corrosion, leakage, supports, etc.  
(None observed during this inspection)
- N Pumps and hose connections -- structurally sound? Leakage?  
(No leakage observed during this inspection)
- N Sludge accumulations near wastewater plant  
(None observed during this inspection)

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**ANNUAL STORM WATER MANAGEMENT INSPECTION CHECKLIST**

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- N Oil staining on ground (outdoors) (Observed historical dry stains around building 4 blowers, extrusion blowers, and building 3 & 4 compactors around the hydraulic ram.)
- N Other residue, discolored surfaces (outdoors)  
(None observed during this inspection)
- Y Erosion problems  
(Road pack is eroding around storm sewer cover, north of empty drum collection pad.)
- Y Accumulations of debris/sediment at catch basins/inlets, stop gates, skimmer pond  
(Debris from April flood event accumulated around catch basin on south side of Pack-Out)
- Y Any non-stormwater discharge to Illinois River  
(Please see the attached Spill Log)
- N Spill response equipment and supplies at appropriate locations  
(Spill Kits were washed away during April flood event. FHR is in the process of purchasing new spill kits.)
- N Any other issues of non-compliance observed during this inspection  
(None observed during this inspection)

Signature

M. PCSL 6/24/2013

Inspector's Supplemental Comments:

NONE



**ATTACHMENT 3**

Flint Hills Resources Chemical Intermediates, LLC  
501 Brunner Street  
Peru, Illinois  
Facility NPDES Permit ID: ILR000057

**Quarterly Storm Water Inspection Reports  
( 3rd Qtr 2012 – 2nd Qtr 2013 )**





501 Brunner Street  
Peru, Illinois

4037.4

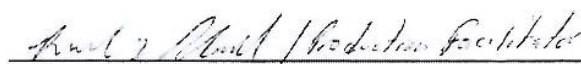
### Quarterly Storm Water Sample Collection and Visual Observation

Date and Time of the Qualifying Event	8-4-2012 @ 14:57
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	1/4"
Date and Time of Sampling	8-4-2012 @ 15:45
Sample Location	Sample point #12 Burke Road / Plummer Road
Sample Collector's Name and Title	Erik Skoog Shift Super.

Sample Observer's Name and Title (must be different from sample collector)	Richard Plath / Production Facilities
Time of Sample Observation	8-4-12 @ 16:15
Color	slightly cloudy / mostly clear
Odor	none
pH	8.84
Clarity	slight cloudy haze
Floating Solids	none
Settled Solids	very slight patches on bottom
Suspended Solids	were noted
Foam	none - n/a
Oil Sheen	none - n/a
Other Obvious Indicators of Pollution	none - n/a

 Shift Super.  
Signature/Title of Sample Collector

8-4-12  
Date

 Production Facilities  
Signature/Title of Sample Observer  
Called Erik Skoog on 8-4-12 (Erik per phone)

8-4-2012  
Date:




501 Brunner Street  
Peru, Illinois


### Quarterly Storm Water Sample Collection and Visual Observation

Date and Time of the Qualifying Event	8-4-2012 @ 14:57
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	1/4"
Date and Time of Sampling	8-4-2012 @ 15:37
Sample Location	util. lines pit area Sample Point #1
Sample Collector's Name and Title	Erik Skoog Shift Super.

Sample Observer's Name and Title (must be different from sample collector)	Richard Plodt/Production Facility
Time of Sample Observation	8-4-2012 @ 16:13
Color	slightly cloudy / mostly clear
Odor	none
pH	8.76
Clarity	slight Haze
Floating Solids	none (1 small dead bug)
Settled Solids	slight small particles on bottom
Suspended Solids	none noted
Foam	none
Oil Sheen	none
Other Obvious Indicators of Pollution	N/A (none)

 Shift Super.  
Signature/Title of Sample Collector

8-4-12  
Date

 Production Facility  
Signature/Title of Sample Observer  
(called Ross Pl. on 8-4-12 (OK per phone))

8-4-2012  
Date:



501 Brunner Street  
Peru, Illinois

### Quarterly Storm Water Sample Collection and Visual Observation

Date and Time of the Qualifying Event	10-4-2012 @ 18:00
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	1/4"
Date and Time of Sampling	10-4-2012 @ 18:15
Sample Location	Sample Point #2 (Duck pond)
Sample Collector's Name and Title	Dan Buck / SUPERVISOR

Sample Observer's Name and Title (must be different from sample collector)	Richard L. Block (Richard L. Block)
Time of Sample Observation	10-4-2012 @ 18:49
Color	cloudy white / mostly clear
Odor	none
pH	8.83
Clarity	Somewhat cloudy
Floating Solids	none
Settled Solids	none
Suspended Solids	1 small particle
Foam	none
Oil Sheen	none
Other Obvious Indicators of Pollution	none

Dan Buck / SUPERVISOR  
Signature/Title of Sample Collector

10.4.12  
Date

R. L. Block / Richard L. Block  
Signature/Title of Sample Observer

10-4-2012  
Date:





501 Brunner Street  
Peru, Illinois

### Quarterly Storm Water Sample Collection and Visual Observation

Date and Time of the Qualifying Event	10-4-2012 @ 18:00
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	1/4"
Date and Time of Sampling	10-4-2012 18:05
Sample Location	sample point #1 utilities
Sample Collector's Name and Title	DAN BUCK / SUPERVISOR

Sample Observer's Name and Title (must be different from sample collector)	Richard L. Plath (Production Facilitator)
Time of Sample Observation	10-4-2012 @ 18:47
Color	slight cloudy white / mostly clear
Odor	none
pH	8.71
Clarity	slight haze, cloudiness
Floating Solids	none
Settled Solids	some very small particles
Suspended Solids	none
Foam	none
Oil Sheen	none
Other Obvious Indicators of Pollution	none

D. Buck / Supervisor  
Signature/Title of Sample Collector

10.4.12  
Date

R. L. Plath / Production Facilitator  
Signature/Title of Sample Observer

10-4-2012  
Date:





501 Brunner Street  
Peru, Illinois

### Quarterly Storm Water Sample Collection and Visual Observation

Date and Time of the Qualifying Event	1/29/13 @ 1545
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	3/4"
Date and Time of Sampling	1/29/13 @ 1605
Sample Location	Sample point #2/Skimming pond B104 area
Sample Collector's Name and Title	DAU BUREAU SHIFT SUPERVISOR

Sample Observer's Name and Title (must be different from sample collector)	Rich Plach / Production Facilitator
Time of Sample Observation	16:51
Color	cloudy white
Odor	none
pH	8.52
Clarity	cloudy
Floating Solids	none
Settled Solids	some on bottom
Suspended Solids	some fine solids noted
Foam	none
Oil Sheen	none
Other Obvious Indicators of Pollution	none

DAU BUREAU SHIFT SUPERVISOR  
Signature/Title of Sample Collector

1-29-13  
Date

Rich Plach / Production Facilitator  
Signature/Title of Sample Observer

1-29-2013  
Date:



501 Brunner Street  
Peru, Illinois

### Quarterly Storm Water Sample Collection and Visual Observation

Date and Time of the Qualifying Event	1/29/13 @ 1545
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	3/4"
Date and Time of Sampling	1/29/13 @ 1550
Sample Location	Sample point #7 / Utilities area
Sample Collector's Name and Title	Dan Buck SHIF7 SUPERV.

Sample Observer's Name and Title (must be different from sample collector)	Rick Plach / Production Facilitator
Time of Sample Observation	16:50
Color	cloudy white
Odor	none
pH	8.15
Clarity	cloudy
Floating Solids	none
Settled Solids	very small amount on bottom
Suspended Solids	none noted
Foam	none
Oil Sheen	none
Other Obvious Indicators of Pollution	none

D. Buck SHIF7 SUPERV.  
Signature/Title of Sample Collector

1-29-13  
Date

R. Plach / Production Facilitator  
Signature/Title of Sample Observer

1-29-13  
Date:

**Quarterly Storm Water Sample Collection and Visual Observation**

Date and Time of the Qualifying Event	5/2/2013 5:00pm
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	0.6 inch
Date and Time of Sampling	5/2/2013 5:29pm
Sample Location	Gate 3 (outfall 001)
Sample Collector's Name and Title	Michael Schmidt Environmental

Sample Observer's Name and Title (must be different from sample collector)	Same as above
Time of Sample Observation	6:21
Color	Brown
Odor	None
pH	8.0
Clarity	Cloudy
Floating Solids	None
Settled Solids	<del>Some</del> Some dirt on bottom
Suspended Solids	Fine solids
Foam	None
Oil Sheen	None
Other Obvious Indicators of Pollution	None

Michael Schmidt  
Signature/Title of Sample Collector

5/02/2013  
Date

Michael Schmidt  
Signature/Title of Sample Observer

5/2/2013  
Date:





501 Brunner Street  
Peru, Illinois


### Quarterly Storm Water Sample Collection and Visual Observation

Date and Time of the Qualifying Event	5/2/2013 5:00PM
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	0.6 inch
Date and Time of Sampling	5/2/2013 5:29PM
Sample Location	<del>Skimming Pond</del> Skimming Pond (outfall 02)
Sample Collector's Name and Title	Michael Schmidt Environmental

Sample Observer's Name and Title (must be different from sample collector)	Same as above
Time of Sample Observation	7:01
Color	Brown
Odor	None
pH	8.14
Clarity	Very cloudy
Floating Solids	None
Settled Solids	Some sediment on bottom
Suspended Solids	fine solids
Foam	none
Oil Sheen	none
Other Obvious Indicators of Pollution	None

  
Signature/Title of Sample Collector

5/2/2013  
Date

  
Signature/Title of Sample Observer

5/2/2013  
Date:



## **ATTACHMENT 4**

Flint Hills Resources Chemical Intermediates, LLC  
501 Brunner Street  
Peru, Illinois  
Facility NPDES Permit ID: ILR000057

# **Summary of Spill Events During the Reporting Period**

**May 1, 2012 through April 30, 2013**

**(List of Spills Potentially Impacting Stormwater Runoff)**

Flint Hills Resources Chemical Intermediates, LLC - Peru, Illinois Facility  
Summary of Outdoor Releases (Highlighted Rows indicate potential release to the Illinois River)  
May 1, 2012 through April 30, 2013

Incident Date	Time of Spill (24-Hr Format)	Duration of Spill (minutes)	Estimated Release Quantity	Material(s) Involved	Location of Spill	Description of Spill	Cause of Spill	Spilled Surface	Mititagtion and Prevention
1/9/2013	12:39	Unknown	203,000	City Water	Northeast Pump House	Utilities personnel drained fire water tank through the facility's storm water sewer to the Illinois River	Personnel confused sanitary sewer lines with storm sewer line.	Discharged city water directly to facility storm sewer	Storm sewer covers and sanitary sewer covers will be colored to match facility blueprints.
2/13/2013	11:30	1 minute	5 gallons	Hydraulic Oil	South of Building 4 Emergency Containment Pit	Truck was preparing to connect to roll off box when a hydraulic line failed.	Failed hydraulic line	Asphalt	Applied oil dry to spill area.
4/8/2013	10:30	Discharge of styrene lasted 7 to 10 minutes	100 gallons	Styrene	Pipe Rack	At 9:00 am Mainenance was working on the PRV, manual valves, and automated valve on the incoming styrene line coming from the tank farm during a facility wide shut down. On 4/7/2013 head of operations used a mag drive pump to suck back any residual styrene in the supply line. The mag drive pumps are set to stop when no more styrene is detected in the supply line. When the pumps shut down, operations acknowledged that the styrene supply line was empty. At 9:45 am maintenance removed the PRV and drained 26 to 28 gallons of styrene from a 1/2 inch line on the bypass. When no more styrene discharged, maintenane personel continued with the second line break. The styrene drained and as the line gurgled a possible air pocket released and styrene began to spray from the flange. A 6 foot by 8 foot area of road pack and a 20 foot by 50 foot of ashpalt was contaminated with styrene.	Supplyl line was improperly drained of residual styrene.	Road pack and asphalt	Spilled styrene was absorbed before reaching any storm sewers. FHR is currently in the planning process for remediating the spill area.